

SEQUENCE LISTING

<110> Novozymes A/S

<120> Detection system for high expressing recombinant Bacillus

<130> 10355

<160> 11

<170> PatentIn version 3.2

<210> 1

<211> 2349

<212> DNA

<213> Bacillus subtilis

<220>

<221> YkdA protein

<222> (1000)..(2349)

<223> 1-999 is promoter

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<221> CDS

<222> (1000)..(2349)

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Asp Glu Asn Arg Thr Lys Gly Asn Glu Asn Glu Val Phe Leu Thr Lys	
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Glu Asn Asp Gln Ser Ala Ser Tyr Ser Ala Arg Asn Val Ile His Asp	
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cag gag aag aaa aaa cga gga ttc gga tgg ttc aga ccg ttg ctt ggc	1158
Gln Glu Lys Lys Arg Gly Phe Gly Trp Phe Arg Pro Leu Leu Gly	
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Gly Val Ile Gly Gly Ser Leu Ala Leu Gly Ile Tyr Thr Phe Thr Pro	
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Lys Ser Ser Ser Ser Ser Ser Ala Phe Lys Ser Glu Asp Ser Ser Lys	
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Glu Gly Ala Ser Ser Leu Lys Val Ser Leu Tyr Asp Gly Thr Glu Val	
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act gca aag ctg gta ggc agt gac tcg tta act gat tta gcc gtc ctc	1638
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gta aaa ccg att gct gaa gaa ttg ctg tct aaa gga caa att gaa cgt Val Lys Pro Ile Ala Glu Glu Leu Leu Ser Lys Gly Gln Ile Glu Arg 330 335 340			2022
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Arg Pro Leu Leu Gly Gly Val Ile Gly Gly Ser Leu Ala Leu Gly Ile
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Tyr Thr Phe Thr Pro Leu Gly Asn His Asp Ser Gln Asp Thr Ala Lys
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Glu Asp Ser Ser Lys Ile Ser Asp Met Val Glu Asp Leu Ser Pro Ala
 115 120 125

Ile Val Gly Ile Thr Asn Leu Gln Ala Gln Ser Asn Ser Ser Leu Phe
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 145 150 155 160

Ser Gly Val Ile Phe Lys Lys Glu Asn Gly Lys Ala Tyr Ile Ile Thr
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Asn Asn His Val Val Glu Gly Ala Ser Ser Leu Lys Val Ser Leu Tyr
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Asp Gly Thr Glu Val Thr Ala Lys Leu Val Gly Ser Asp Ser Leu Thr
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Asp Leu Ala Val Leu Gln Ile Ser Asp Asp His Val Thr Lys Val Ala
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Asn Phe Gly Asp Ser Ser Asp Leu Arg Thr Gly Glu Thr Val Ile Ala
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Ile Gly Asp Pro Leu Gly Lys Asp Leu Ser Arg Thr Val Thr Gln Gly
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Ile Val Ser Gly Val Asp Arg Thr Val Ser Met Ser Thr Ser Ala Gly
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Glu Thr Ser Ile Asn Val Ile Gln Thr Asp Ala Ala Ile Asn Pro Gly
 275 280 285

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Asn Ser Met Lys Ile Ser Glu Asp Asp Val Glu Gly Ile Gly Phe Ala
 305 310 315 320

Ile Pro Ser Asn Asp Val Lys Pro Ile Ala Glu Glu Leu Leu Ser Lys
 325 330 335

Gly Gln Ile Glu Arg Pro Tyr Ile Gly Val Ser Met Leu Asp Leu Glu
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Gln Val Pro Gln Asn Tyr Gln Glu Gly Thr Leu Gly Leu Phe Gly Ser
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Gln Leu Asn Lys Gly Val Tyr Ile Arg Glu Val Ala Ser Gly Ser Pro
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Ala Glu Lys Ala Gly Leu Lys Ala Glu Asp Ile Ile Ile Gly Leu Lys
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Gly Lys Glu Ile Asp Thr Gly Ser Glu Leu Arg Asn Ile Leu Tyr Lys
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26